



	MELH	ANILAL								
								AHRI#		
Customer:	٠					Date:				
Address:				Techn	ician (s)					
City				Province	Code					
*RH calculation	s are not correc	t for DP tempe	eratures b	elow 32F, <u>all</u> fields need to	be filled in with accu	ırate m	easurements for cor	rect calcula	tions	
Ref. Type	. Type Metering Device			Three Phase Voltage Imbalance Percentage (*Max 2%)			Voltage: L1-L2 L2-L3 L3-L1 VAC			
Outdoor Unit: Model #				Compressor(s) Amp: Heating A Cooling A			*Amperage in range? (See name plate Copeland APP and/or manufacturers product specs) if not in range check ratio and froubleshoot system.			
Serial #				* Total Amperage: Heating	A Cooling A			<u> </u>		
Indoor Unit: Model #				Volta			2: L1-L2 L2-L3	L3-L1	VAC	
Serial #			* Blowe			Amperage: A	Heater + Blower:	: А		
Filter & Coil Clean YES Check/Verify Air Flow			/ES 🚺 / Fan Speed High 🕻			ESP "wc Coil PD		DRY WET		
Check/Test Electric H	leater, Sequencers	s and/or Heat Re	elay Y	'ES N/A Heater Si	ze [ Kilowatt ]	kW	or Oil / Gas		RPM	
Check/Inspect all Ele	ctrical Wiring and	Components	Y	'ES Test Condensate Drain	, Trap and/or Pump	YES	Over flow switch wire	ed YES	N/A	
Toot Consoiter(e) un	der load YES	S N/A	Blower		AMPS	MFD	Rated MFD	MFD Variatio		
Test Capacitor(s) under load YES		J 19/A	Compre OD Fa			MFD MFD	Rated MFD MFD Variation (±6%)  Rated MFD MFD Variation (±6%)			
Purge w/ Nitrogen	YES Press	ure Test w/ Nitro	gen Y	'ES Vacuum System (	Micron Value)	m Va	acuum Duration (Appr	OX.) hr	rs min	
Thermostat St	aging Differentia	al First (HI	P) (1F/0.5C)	°F or °C S	Second (AUX) (2F/1C)	°F	or °C Dela	<b>ay</b> (30-60min)	Min	
Check/Set B	alance Points		YES	N/A	High BP °F o	DR.	°C Low BP	°F or	°C	
Set/Check Defros	st Termination/Time	<b>:</b>	YES	N/A Min	or °F (60mi	n/70°F)	Test/Forced Defrost	YES	N/A	
Outdoor Unit	HEATING	COOLI	NG	Indoor Unit	HEATING		CO	OLING	-	
TET / CTOA		°F	°±5	*Target Delta T (△T)	RATED HEATING CAPACITY BTU/H	oat °F	RATEDICOC CAPACITY BTU/H			
Suction Pressure			PSIG	*Target Delta T (ΔT) (input rated manufacturers heating & cooling capacity	° ΔΤ		°∆T *TEE1	°F±3	*DB & WB Required for accurate calculation	
Discharge Pressure			PSIG	*Entering Air Temp	DB °F		DB/WB °F			
Compression Ratio	:1	:1	•	*Leaving Air Temp	DB °F		DB/WE	%		
Suction Line			°F	Actual Temperature Split (ΔT)	۰		٥			
Liquid Line			°F		HEATING CAPACITY BTU/H	COP	SENSIBLE BTU/H	LATENT BT <i>U</i> /H	COOLING CAPACITY BTU/H	
Superheat / Subcooling	°SH °SC	°SH °	SC	*Total Capacity		Tons	SENSIBLE HEAT RATIO ΔH	BTU/LB	Tons	
Discharge / DSH	·		°F	Total Power Input	Watts	KWh	Watts	KWh	EER	
				Verified Air Flow	CFM C	FM/Ton	Valve Caps installed tighter and Service Valves open?	ned,	YES	
Outside Air	DB °F	DB °C	% RH	Total Capacity Within ±10% of High	/Low Range of Rated Capac	ity?	ATED HEATING CAPACITY HEATING CAPACI	TTY VARI BTU/H	NATION	
	wB °F	DP ° <b>F</b>	•	YES NO If No	o, Troubleshoot system.	RA	ATED COOLING CAPACITY COOLING CAPACITY BTU/H	BTU/H	RIATION	
A, they are only accurate when CFM is verified. RH calculations are not correct for Dev Point te Calculated Target Delta T using manufacturers Target Evaporator Temperature or TET = The	a unit as possible but out of sight of coil a Please use provided product specs to d imperatures below 32F, DP Calculations output ratings @ specified Outdoor Air T saturation temperature the evaporator co (CTOA), The target temperature differer	nd after a minimum of 15mins of ope etermine CFM on HIGH fan speed (c are not accurate below RH of 50%, l emperature can be used as a baselir il should be based on the returm air te noe of the condensing temperature air	ration in each mode and luctless), ECM readout ( RH calculations above D ne while also checking m emperature (Standard D	verified that the unit has reached maximum capacity, Psychrometer is constant CFM) or static pressure (constant torque) see info icons and P temperature of 32F are within 1.02% Capacity calculations are with sanufacturers product specifications to verify the unit is operating as th 10 of 35F), using a PT chart compare the target shartation temperature er measure the outdoor air temperature in the shade entering the cond-	Bold text for links to more info in 5% e manufacturer intended. rre to evaporator pressure.	nit. the accuracy of	the measurement will determine capacity calculation of the measurement will determine capacity c		rformed for Indoor unit	

RECOMMENDATIONS